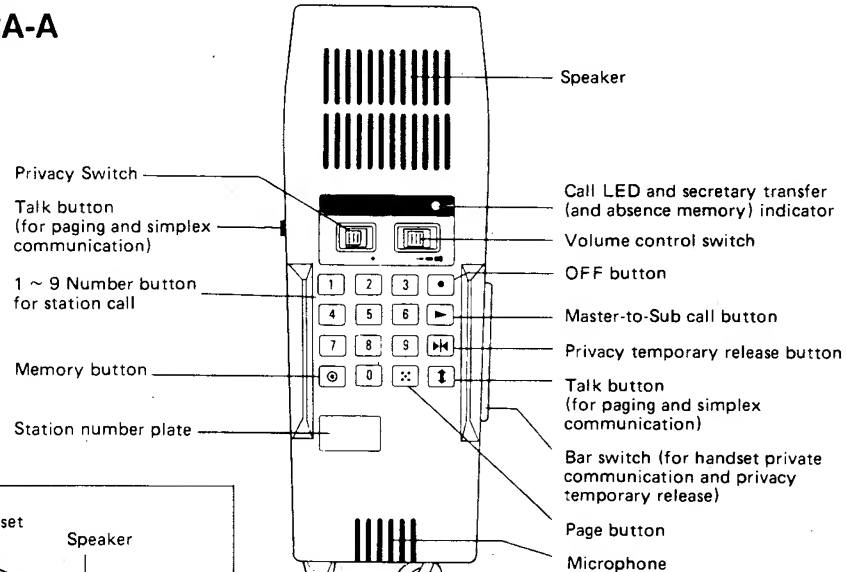


RAX/RCX TYPE A DUPLEX INTERCOM

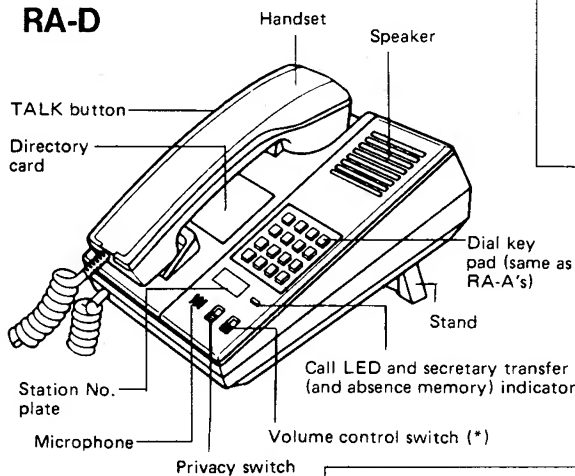
MODELS:
**RA-A,
RA-B,
RA-D,
RA-C,**
Master, Open voice with handset
Master, Open voice (Flush-mount)
Master, Speaker-phone type
Sub, Open voice (Flush-mount)

OPERATION INSTRUCTIONS

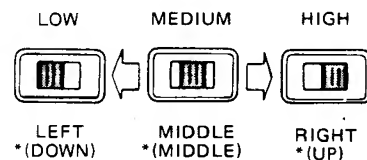
RA-A



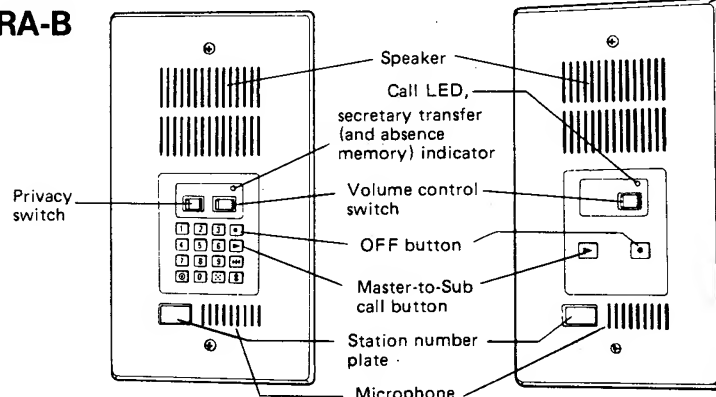
RA-D



- The call tone & communication volume can be adjusted to three levels.



RA-B



RA-C

1 CALLING



| OPERATION | MODE OF THE CALLED STATION | ACTION |
|--|--|--|
| Press digit buttons of desired station. [1] [0] for station No.10 [1] [0] [0] for station No.100 Master/sub communication; * At RA-C sub, simply press [▶] button to call master. * At master, press [▶] button (and, in RCX only, a digit button [1] ~ [9]) to call sub. | (1) — Single call tone → (2) ■■■ Busy tone → OR OR (3) ■■ Network busy tone (in RCX only) → (4) — Privacy tone → (5) ---- Absence tone (in RCX only) → OR | Communicate. Press [■] (OFF) button (or hang up handset in RA-D) to cancell call. Press [⊙] button to leave a request for call back. (Camp-on busy) OR Press [0] button for urgent break in signal and (for RCX only) press [↑] button to call by voice. Press [■] (OFF) button. Wait for station to release from privacy mode. Press [■] (OFF) button to cancell call. OR Press [⊙] button to leave a request for call back. (Camp-on absence) |

Press [■] (OFF) button or hang up handset in RA-D to end communication.

RECEIVING



| MODE OF YOUR STATION | CALLING TONE | ACTION |
|--|---|--|
| (1) Non-privacy mode | Single call tone → | Communicate handsfree. |
| | OR | At RA-A, pick up the unit and depress the bar switch for private communication. |
| | OR | At RA-D, pick up handset for private communication. |
| (2) Privacy mode | Privacy call tone → | Momentarily press [⏮] button and communicate handsfree. |
| | OR | At RA-A, pick up the unit and depress the bar switch for private communication. |
| | OR | At RA-D, pick up handset for private communication. |
| (3) Communicating with another station | Urgent message break-in signal and call (in RCX only) → | Press [⊙] button to place present communication on hold, and reply. ↓ Press [■] button to restore connection to station on hold. |

2 PRIVACY — To block out incoming calls and prevent monitoring;




- *Setting Privacy mode; Slide PRIVACY Switch to the right position. 
- *Releasing from Privacy mode; Slide PRIVACY Switch to the left position. 


Note: Setting and releasing from Privacy mode must be made while your station is in standby mode.

3 CALL HOLDING — To place present communication on hold;




- *Press  button.
- *Press  button to restore connection to station on hold and resume conversation.

4 CALL TRANSFER — To route incoming calls to another station;


- (1) Press  button.
- (2) Press number of station where call is to be transferred.
- (3) After communication line is established, press  button. (3) After communication line is established, press  button.

Note: When you have no reply, press  button and resume the initial communication.

5 SECRETARY TRANSFER (STATION TRANSFER) — To have any incoming call to you answered by your secretary;








- *Setting Secretary Transfer mode; Press  button and station number of your secretary.
- *Cancelling Secretary Transfer mode; Press  and  buttons.

6 SIMPLEX COMMUNICATION — When communicating with a station located in a noisy area;











Press  button to talk and release to listen.

*WHEN YOUR SYSTEM INCLUDES PAGING FUNCTIONS;

7 ALL PAGE — To page all zones in your system through paging speakers;


- | | |
|--|---|
| (1) Press  ,  buttons. | (1) Press  ,  buttons (and  button, if call back is required). |
| (2) Make announcement while depressing and holding (*)  button. | |
| (3) Wait for call back. OR If call back is not desired, press  button. | |

8 ZONE PAGE — To page one zone in your system through paging speakers;

- | | |
|---|--|
| (1) Press  and zone number button ( ~ ). | (1) Press  , zone number button ( ~ ) (and  button, if call back is required). |
| (2) Make announcement while depressing and holding  button. If talkback is included, release (*)  button to listen. | |
| (3) Wait for call back. OR If call back is not desired, press  button. | |

9 CALL BACK TO PAGING (ALL PAGE/ZONE PAGE)

- | | |
|--|--|
| Press  button at the nearest station. | Press  and  buttons at any station (in a zone paged). |
|--|--|

(*) In RA-A and RA-D, TALK button in handset works for  (TALK) button on the dial key pad.

10 ALL CALL — To page through all intercom stations;

(1) Press **[5]** button.

(1) Press **[⋮]** and **[0]** button (and **[⋮]** button, if call back is required).

(2) Make announcement while depressing and holding **[↓]** button. (*)

(3) Wait for call back. OR If call back is not desired, press **[•]** button.

11 CALL BACK TO ALL CALL

(1) Press **[5]** button at the nearest station.

(1) Press **[5]** and **[⋮]** buttons at the nearest station.

12 GROUP CALL — To page through a group of intercom stations;

- (1) Press **[⋮]** and a group number button **[5] ~ [8]** (and **[⋮]** button, if call back is required).
 (2) Make announcement while depressing and holding **[↓]** button. (*)
 (3) Wait for call back. OR If call back is not desired, press **[•]** button.

13 CALL BACK TO GROUP CALL

(1) Press **[5]** and **[⋮]** buttons at any station of a group paged.

*WHEN YOUR SYSTEM INCLUDES DEVICES, SUCH AS INTERNAL/EXTERNAL LIGHTS, DOOR RELEASE ETC.

14 REMOTE OPERATION OF EXTERNAL DEVICES

- (1) Press **[⋮]** button and zone number button (**[1]**, **[2]**, **[3]** or **[4]**).
 (2) Momentarily press **[↓]** button. (*)
 * If you hear intermittent tone, the external device is in ON mode.
 * If you hear a continuous tone, the external device is in OFF mode.
 (3) Depress **[0]** button to reverse ON/OFF mode of internal/external lights, etc. OR Depress and hold **[0]** button to activate electric door release, etc.
 (4) Press **[•]** button.



15 CONFERENCE CALL — To initiate a conference call;

- (1) Press number button of each station to be included and **[⋮]** button after each (up to 5 stations).
 (2) Initiator depresses and holds down (*) **[↓]** button and begins conversation.
 (3) The called stations must depress and hold down **[↓]** button (*) to respond.
 (4) The called stations press **[•]** button to get out of the conference.
 At conclusion of the conference, initiator must press **[•]** button.

(*) In RA-A and RA-D, TALK button in handset works for **[↓]** (TALK) button on the dial key pad.





16 ABSENCE MEMORY

– To program your station to remember who called during your absence;

- (1) Press  and  buttons.
- (2) Upon your return, red light flickering every other second indicates that you have calls in your station's memory bank.



17 ABSENCE MEMORY CALL BACK

– When you noticed fast flickering red light upon your return;

- (1) Press  button.
- (2) Press  button at completion of your conversation.
- (3) Repeat process until red light flickers more slowly and all calls have been answered.
- (4) Absence Memory Clear; Press  and  buttons to restore your station to normal operation.

18 MEMORY CLEAR

– To erase all memory functions except privacy (Camp-on busy, Camp-on absence, Absence memory & Secretary transfer)

Press  and  buttons and your station returns to normal operation.

OPERATIONAL FLOW

| NO. | FUNCTIONS | RAX | RCX |
|-----|--|---------------------------------|---|
| 1 | STATION CALL | [No.] [No.] | [No.] [No.] (and [No.] in RCX-88, -128) |
| | OFF | • or Hang up handset. (RA-D) | • or Hang up handset. (RA-D) |
| | CAMP-ON BUSY SET | ⊙ | ⊙ |
| | CAMP-ON BUSY CLEAR | ⊙ 0 | ⊙ 0 |
| | URGENT MESSAGE BREAK-IN SIGNAL (and CALL) | 0 (to signal only) | 0 (to signal) → ↑ (to call by voice) |
| | REPLY TO URGENT MESSAGE BREAK-IN | ⊙ | ⊙ |
| | MASTER/SUB COMMUNICATION | ▶ | ▶ (Sub to master) ▶ 1~9 (Master to sub) |
| 2 | PRIVACY | ■ | ■ |
| | NON-PRIVACY | ■ | ■ |
| | TEMPORARY PRIVACY RELEASE | ⏮ | ⏮ |
| 3 | CALL HOLDING | ⊙ → ⊙ or • (to return) | ⊙ → • (to return) |
| 4 | CALL TRANSFER | ⊙ [No.] [No.] 7 | ⊙ [No.] [No.] ([No.]) ⊙ |
| 5 | SECRETARY (STATION) TRANSFER SET | ⊙ [No.] [No.] | ⊙ [No.] [No.] ([No.]) |
| | SECRETARY (STATION) TRANSFER CLEAR | ⊙ 0 | ⊙ 0 |
| 6 | SIMPLEX COMMUNICATION | ↑ | ↑ |
| 7 | ALL PAGE (WITH CALL BACK) | ⋮ 9 ↑ | ⋮ 9 (⋮) ↑ |
| 8 | ZONE PAGE (WITH CALL BACK) | ⋮ 1~4 ↑ | ⋮ 1~4 (⋮) ↑ |
| 9 | CALL BACK TO PAGING | 6 | 6 ⋮ |
| 10 | ALL CALL (WITH CALL BACK) | 5 ↑ | ⋮ 0 (⋮) ↑ |
| 11 | CALL BACK TO ALL CALL | 5 | 5 ⋮ |
| 12 | GROUP CALL (WITH CALL BACK) | | ⋮ 5~8 (⋮) ↑ |
| 13 | CALL BACK TO GROUP CALL | | 5 ⋮ |
| 14 | REMOTE OPERATION | ⋮ 1~4 ↑ 0 | ⋮ 1~4 ↑ 0 |
| 15 | CONFERENCE CALL | | ⁽¹⁾ [No.] [No.] ⋮ ... ⁽⁵⁾ [No.] [No.] ⋮ ↑ |
| 16 | ABSENCE MEMORY SET | | ⊙ ⏮ |
| 17 | ABSENCE MEMORY CALL BACK | | ⊙ |
| | ABSENCE MEMORY CLEAR | | ⊙ 0 |
| 18 | CLEAR MEMORY | ⊙ 0 | ⊙ 0 |

RCX SYSTEM OPTIONS

1 DOOR STATIONS

– To receive a call from up to two door stations at either of up to five programmed master stations;

(1) A call from door station is announced at all programmed master stations by electronic chime.

* If the chime is 4 strokes, the call is from the first door station.

Press buttons.

* If the chime is 2 strokes, the call is from the second door station.

Press buttons.

(2) Talk handsfree. In RA-A, Pick up the unit and hold the bar switch and, in RA-D, pick up handset for private handset communication. When the door station is situated in a noisy area, you may press (TALK) button to talk and release to listen.

(3) If your system includes a door release, momentarily press button during communication, which activates the timer circuits for opening the door.

(4) Press (OFF) button or hang up handset in RA-D to end communication with door station.

2 ADDITIONAL PAGING/REMOTE CONTROL

To select any YAW adaptor, press buttons.

(1) When continuous mono tone is heard;

Paging with YAW-R or YAW-RA;

Press button and an adaptor number button (0 ~ 9) (and a zone number button in YAW-RA 1 ~ 8). Make announcement depressing button (and release to listen, if talkback is included). Press button at end of announcement.

NOTE:

After selecting an adaptor number for YAW-RA, press zone number buttons (1 ~ 8) in succession for multiple zone page or button for all page (to 8 zones simultaneously).

Remote operation of controlling ON/OFF of lights or door release, etc.;

Press button and an adaptor number button (0 ~ 9) for YAW-S.

* When an intermittent tone is heard, the lighting function is in ON mode.

* When a continuous tone is heard, the lighting function is in OFF mode.

Alternate operation: Momentarily press button to turn on lights. OR
Momentarily press button to turn off lights.

Momentary operation: Press and hold button down to activate door release, etc.
Press button.

(2) When intermittent tone is heard;

It means other station is operating paging or remote control and the channel is occupied. Press button to disconnect and call later.

NOTES:

1. It is not possible to operate two or more adaptors at the same time.
2. Paging/remote control operations can be made by master stations RA-A, RA-B and RA-D.

DIRECTORY

[illegible]

Aiphone Co., Ltd., Nagoya, Japan
Aiphone Corporation, Bellevue, Washington



INTERCOM SYSTEMS

AIPHONE
HOME, BUSINESS, INDUSTRY